

VioNexus™ No Rinse Spray Antiseptic Handwash (Project 03-42) (6/04)

VioNexus™ No Rinse Spray Antiseptic Handwash from Kerr Metrex is an ethanol-based (66%) Healthcare Personnel Handwash containing benzalkonium chloride (0.08%) for additional residual kill and added emollients to help prevent dry, irritated skin. The manufacturer claims the product is latex compatible. The VioNexus™ product is delivered by an Automatic No-Touch Hand Hygiene dispenser that provides a pre-measured application. The hands-free dispensing system may reduce cross-contamination by eliminating the need to touch the dispenser. A manually operated dispenser is also available.



Hand hygiene is the single most important infection control measure. However, adherence of health-care personnel (HCP) to recommended hand-hygiene procedures has been poor with an overall average rate of 40% in hospital settings, and although limited data are available for dental health-care personnel (DHCP), compliance rates appear to be similar. Several self-reported factors for poor adherence to hand hygiene include: handwashing agents cause irritation and dryness; sinks are inconveniently located; lack of soap and paper towels; too busy, insufficient time; wearing of gloves; and low risk of acquiring infections from patients.

Alcohol-based hand rubs have been used extensively for years in Europe, however traditionally in the U.S. their use was limited to situations where soap and water were not available. The Centers for Disease Control and Prevention (CDC) is now recommending alcohol-based hand products (i.e., preparations containing 60-95% alcohol) as an option for routine use, and not just when soap and water aren't available. The CDC guideline states that alcohol-based handrubs significantly reduce the number of microorganisms on skin, are fast acting and cause less skin irritation. Alcohol-based hand rubs have been proven effective and they may help improve adherence to hand-hygiene protocols in many health-care settings. However alcohols are not appropriate for use when hands are visibly dirty, contaminated with proteinaceous material, or visibly soiled with blood or other body fluids. Since washing with either plain soap or an antimicrobial soap and water is indicated in this case, alcohol-based hand rubs will not replace the need for traditional hand-hygiene supplies (e.g., soap, sinks, paper towels).

Manufacturer:

Kerr Metrex
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(800) 841-1428
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(800) 574-4868 Shilog, Inc./Government Sales
www.metrex.com

Suggested Retail Price:

\$298.74/case of 6	1 Liter VioNexus™ No Rinse Spray Antiseptic Handwash
\$83.99/each	No Touch Dispenser
\$219.90/case of 10	Manual Dispenser

Government Price:

\$129.65/case of 6	1 Liter VioNexus™ No Rinse Spray Antiseptic Handwash
\$86.45/each	No Touch Dispenser
\$193.60/case of 10	Manual Dispenser

ADVANTAGES:

- + Fast-acting
- + Less time required compared to traditional handwashing/hand antisepsis
- + Alternative to handwashing with soap and water when hands are not visibly soiled
- + Permits hand hygiene when sinks and paper towels are unavailable
- + “No-touch” hands-free dispensing system reduces cross contamination
- + Potential to cause less dermatitis
- + May be useful on deployments
- + Potential to increase hand-hygiene compliance

DISADVANTAGES:

- Cannot be used if hands are visibly soiled
- Sensor on “no-touch” dispenser may inadvertently activate due to high sensitivity
- May be more expensive than plain or antimicrobial soap
- Flammability concerns - [click here for safety precautions](#)

SUMMARY AND CONCLUSIONS:

The VioNexus™ No Rinse Spray Antiseptic Handwash was well received by the clinical evaluators. It is convenient to use and minimizes time and materials needed for hand hygiene. Most evaluators found the product less irritating to their skin compared with soap and water. The Automatic No-Touch Hand Hygiene Station delivery mechanism delivers a pre-measured amount of product and reduces cross-contamination because it eliminates the need to touch the dispenser. However, several individuals commented that the dispenser’s infrared sensor was very sensitive and inadvertently activated if something was near the sensor. In light of this, individuals may want to consider purchasing the manually operated dispenser. In dentistry, alcohol-based hand rubs may be useful in exam rooms or radiology work areas where multiple patients are seen in a short period of time and frequent handwashing is indicated. Another indication may be in dental residencies where staff members perform frequent patient checks. Careful evaluation and ongoing educational/motivational programs to maintain awareness of the importance of hand hygiene are indicated before deciding to introduce alcohol-based hand rubs or any new hand-hygiene product into a dental practice. The majority of evaluators (46 of 52) recommended purchasing VioNexus™ for use in their clinics. **VioNexus™ No Rinse Spray Antiseptic Handwash** is rated **Acceptable** for use by the federal dental services as an option to routine hand hygiene when hands are not visibly soiled.